

WHAT IS CLAIMED IS:

1 1. A bus joint cover assembly for use in switchgear equipment
2 having bus bars joined together at a bus joint, the bus joint cover
3 assembly comprising:

4 a collar member having a snap slot; and

5 a cap member having a snap boss configured to engage the
6 snap slot, with the cap member configured to telescopically join with the
7 collar member around the bus joint wherein the bus joint is contained
8 within the bus joint cover assembly.

1 2. The bus joint cover assembly of claim 1, with at least one
2 additional snap slot defined in the collar member, the additional slot
3 linearly aligned with the other snap slot, wherein the snap boss can
4 engage either snap slot.

1 3. The bus joint cover assembly of claim 1, including a side
2 cover member configured to position between the collar member and cap
3 member.

1 4. The bus joint cover assembly of claim 3, wherein the side
2 cover member is further configured to provide a passage for the bus bars.

1 5. The bus joint cover assembly of claim 3, wherein the side
2 cover member is further configured as a bus end cover.

1 6. The bus joint cover assembly of claim 3, including a second
2 side cover member configured to position between the collar member and
3 cap member.

1 7. The bus joint cover assembly of claim 1, wherein the bus
2 joint cover assembly is composed of electrically insulating material.

1 8. The bus joint cover assembly of claim 7, wherein the
2 electrically insulating material is composed of one of a thermoset and
3 thermoplastic material.

1 9. A bus joint cover assembly for use in switchgear equipment
2 having bus bars joined together at a bus joint, the bus joint cover
3 assembly comprising:

4 a collar member;

5 a cap member; and

6 a means for telescopically joining with the cap member and
7 collar member around the bus joint wherein the bus joint is contained
8 within the bus joint cover assembly.

1 10. The bus joint cover assembly of claim 9, including a side
2 cover member configured to position between the collar member and cap
3 member.

1 11. The bus joint cover assembly of claim 10, wherein the side
2 cover member is further configured to provide a passage for the bus bars.

1 12. The bus joint cover assembly of claim 10, wherein the side
2 cover member is further configured as a bus end cover.

1 13. The bus joint cover assembly of claim 10, including a second
2 side cover member configured to position between the collar member and
3 cap member.

1 14. The bus joint cover assembly of claim 9, wherein the bus
2 joint cover assembly is composed of one of a thermoset and
3 thermoplastic material and is an electrically insulating material.

1 15. A method of enclosing a bus bar joint in a switchgear
2 assembly with a bus joint cover assembly, with the bus joint having a
3 back side and a front side, the method comprising the steps of:
4 providing a collar member, with the collar member having a
5 snap slot;
6 mounting the collar member on the back side of the bus bar
7 joint;
8 providing a cap member, with the cap member having a snap
9 boss configured to engage the snap slot;
10 mounting the cap member on the front side of the bus bar
11 joint; and
12 joining the cap member and the collar member by coupling
13 the snap boss to the snap slot, wherein the bus bar joint is contained
14 within the bus joint cover assembly.

1 16. The method of claim 15, wherein the collar member includes
2 at least one additional snap slot, and the step of joining the cap member
3 and collar member includes engaging any snap slot.

1 17. The method of claim 15, including the steps of providing a
2 side cover member and positioning the side cover member between the
3 collar member and cap member.

1 18. The method of claim 17, including the step of configuring
2 the side cover member to provide a passage for the bus bars.

1 19. The method of claim 17, including the step of configuring
2 the side cover member as a bus end cover.

1 20. The method of claim 17, including the step of providing a
2 second side cover member and positioning the second side cover member
3 between the collar member and cap member.

1 21. The method of claim 15, including the step of selecting a
2 material for the bus joint cover assembly.

1 22. The method of claim 21, wherein the step of selecting a
2 material includes selecting an electrically insulating material from of one
3 of a thermoset and thermoplastic material.